Practical-3: Registration Form

activity_main.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/TextView1"
        android:layout_width="83dp"
        android:layout_height="42dp"
        android:layout_marginStart="16dp"
        android:layout_marginTop="48dp"
        android:text="@string/name"
        android:textSize="24sp"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/name"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="48dp"
        android:layout_marginEnd="16dp"
        android:autofillHints="Name"
        android:ems="10"
        android:inputType="textPersonName"
        android:minHeight="48dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toEndOf="@+id/TextView1"
        app:layout_constraintTop_toTopOf="parent"
        tools:ignore="LabelFor,SpeakableTextPresentCheck" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="112dp"
        android:layout_height="44dp"
        android:layout_marginStart="16dp"
        android:layout_marginTop="28dp"
```

```
    android:text="@string/enroll_no"
    android:textSize="24sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/TextView1" />

<EditText
    android:id="@+id/enroll"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="24dp"
    android:layout_marginEnd="16dp"
    android:ems="10"
    android:inputType="number"
    android:minHeight="48dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/name"
    tools:ignore="Autofill,LabelFor,SpeakableTextPresentCheck" />

<TextView
    android:id="@+id/textView2"
    android:layout_width="101dp"
    android:layout_height="45dp"
    android:layout_marginStart="16dp"
    android:layout_marginTop="28dp"
    android:text="@string/gender"
    android:textSize="24sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView" />

<RadioGroup
    android:id="@+id/radioGroup"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="28dp"
    android:orientation="horizontal"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.511"
    app:layout_constraintStart_toEndOf="@+id/textView2"
    app:layout_constraintTop_toBottomOf="@+id/enroll">

    <RadioButton
        android:id="@+id/Male"
        android:layout_width="wrap_content"
        android:layout_height="match_parent"
        android:text="@string/male" />
```

```xml
    <RadioButton
        android:id="@+id/Female"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/female" />
</RadioGroup>

<TextView
    android:id="@+id/textView3"
    android:layout_width="86dp"
    android:layout_height="38dp"
    android:layout_marginStart="16dp"
    android:layout_marginTop="28dp"
    android:text="@string/e_mail"
    android:textSize="24sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView2" />

<EditText
    android:id="@+id/mail"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="16dp"
    android:autofillHints="abc.xyz@pqr.com"
    android:ems="10"
    android:inputType="textEmailAddress"
    android:minHeight="48dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.816"
    app:layout_constraintStart_toEndOf="@+id/textView3"
    app:layout_constraintTop_toBottomOf="@+id/radioGroup"
    tools:ignore="LabelFor,SpeakableTextPresentCheck" />

<TextView
    android:id="@+id/textView4"
    android:layout_width="143dp"
    android:layout_height="36dp"
    android:layout_marginStart="16dp"
    android:layout_marginTop="28dp"
    android:text="@string/department"
    android:textSize="24sp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView3" />

<RadioGroup
    android:id="@+id/radioGroup2"
```

```xml
        android:layout_width="180dp"
        android:layout_height="281dp"
        android:layout_marginTop="24dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.51"
        app:layout_constraintStart_toEndOf="@+id/textView4"
        app:layout_constraintTop_toBottomOf="@+id/mail">

        <RadioButton
            android:id="@+id/mech"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/mechanical" />

        <RadioButton
            android:id="@+id/elec"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/electrical" />

        <RadioButton
            android:id="@+id/chem"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/chemical" />

        <RadioButton
            android:id="@+id/civil"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/civil" />

        <RadioButton
            android:id="@+id/comp"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/computer" />

        <RadioButton
            android:id="@+id/IT"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:minHeight="48dp"
            android:text="@string/i_t"
            tools:ignore="TouchTargetSizeCheck" />
    </RadioGroup>
```

```xml
<Button
    android:id="@+id/Submit"
    android:layout_width="267dp"
    android:layout_height="63dp"
    android:text="@string/submit"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/radioGroup2" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java:

```java
package com.example.practical_3;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;
import android.widget.RadioButton;

public class MainActivity extends AppCompatActivity {

    public String gender;
    public String Department;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        EditText name = (EditText) findViewById(R.id.name);
        EditText no = (EditText) findViewById(R.id.enroll);
        EditText mail = (EditText) findViewById(R.id.mail);
        RadioButton M = (RadioButton) findViewById(R.id.Male);
        RadioButton F = (RadioButton) findViewById(R.id.Female);
        RadioButton mech = (RadioButton) findViewById(R.id.mech);
        RadioButton elec = (RadioButton) findViewById(R.id.elec);
        RadioButton civil = (RadioButton) findViewById(R.id.civil);
        RadioButton chem = (RadioButton) findViewById(R.id.chem);
        RadioButton comp = (RadioButton) findViewById(R.id.comp);
        RadioButton it = (RadioButton) findViewById(R.id.IT);
```

```java
    Button submit = (Button) findViewById(R.id.Submit);

    M.setOnClickListener(view -> gender = M.getText().toString());

    F.setOnClickListener(view -> gender = F.getText().toString());

    mech.setOnClickListener(view -> Department = mech.getText().toString());

    elec.setOnClickListener(view -> Department = elec.getText().toString());

    chem.setOnClickListener(view -> Department = chem.getText().toString());

    civil.setOnClickListener(view -> Department = civil.getText().toString());

    comp.setOnClickListener(view -> Department = comp.getText().toString());

    it.setOnClickListener(view -> Department = it.getText().toString());

    submit.setOnClickListener(view -> {
       Intent snd = new Intent(MainActivity.this, Details.class);
       String Nm = name.getText().toString();
       String e_no = no.getText().toString();
       String email = mail.getText().toString();
       snd.putExtra("Name",Nm);
       snd.putExtra("Enrollment_No",e_no);
       snd.putExtra("Email",email);
       snd.putExtra("Gender",gender);
       snd.putExtra("Department",Department);
       startActivity(snd);
    });

  }
}
```

activity_details.xml:

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
  xmlns:app="http://schemas.android.com/apk/res-auto"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
```

```
tools:context=".Details">

<TextView
    android:id="@+id/Tv1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="70dp"
    android:text="@string/name"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<TextView
    android:id="@+id/Tv2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="70dp"
    android:text="@string/enroll_no"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/Tv1" />

<TextView
    android:id="@+id/Tv3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="70dp"
    android:text="@string/e_mail"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/Tv2" />

<TextView
    android:id="@+id/Tv4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="70dp"
    android:text="@string/gender"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/Tv3" />
```

```xml
    <TextView
        android:id="@+id/Tv5"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="70dp"
        android:text="@string/department"
        android:textSize="24sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/Tv4" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Details.java:

```java
package com.example.practical_3;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

public class Details extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_details);

        TextView tv1 = (TextView) findViewById(R.id.Tv1);
        TextView tv2 = (TextView) findViewById(R.id.Tv2);
        TextView tv3 = (TextView) findViewById(R.id.Tv3);
        TextView tv4 = (TextView) findViewById(R.id.Tv4);
        TextView tv5 = (TextView) findViewById(R.id.Tv5);

        Intent rcv = getIntent();
        String Nme = rcv.getStringExtra("Name");
        String enrollment = rcv.getStringExtra("Enrollment_No");
        String E_mail = rcv.getStringExtra("Email");
        String Gender = rcv.getStringExtra("Gender");
        String Department = rcv.getStringExtra("Department");

        tv1.setText(Nme);
        tv2.setText(enrollment);
        tv3.setText(E_mail);
        tv4.setText(Gender);
```
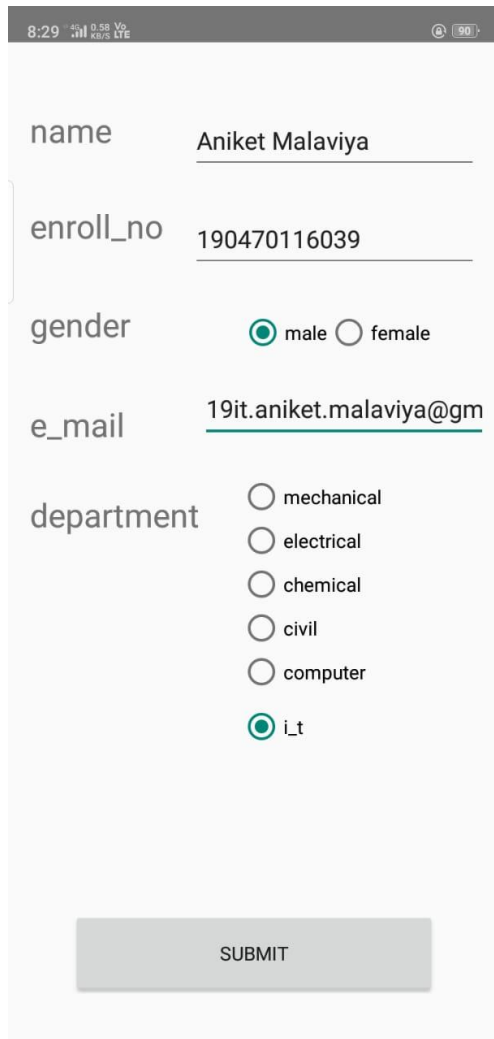
```
        tv5.setText(Department);

    }
}
```

Output: